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a second display module configured to receive a touch input;

a sensing unit operatively connected to the first display module and configured to determine whether or not at least one portion of the first display module is bent or folded; and

a controller operatively connected to the sensing unit and configured to

display, when data provided by the sensing unit indicates that the first display module is bent or folded, a second operating-mode screen associated with the first operating-mode screen on the second display module,

display the second operating-mode screen on the first display module, and

when data provided by the sensing unit indicates that the at least one portion of the first display module is unbent or unfolded, display a third operating-mode screen associated with the second operating-mode screen on the second display module,

wherein the first and second display modules are independently driven, and

wherein the controller is further configured to switch an operation mode of the mobile terminal if a predetermined portion of the first display module is bent or folded, the operation mode comprising a separate-operating mode and an integrated-operating mode.

16. A method of controlling a mobile terminal equipped with a flexible first display module and a second display module capable of receiving a touch input, the method comprising:

displaying, by the mobile terminal, an operating screen including an operation control menu having a plurality of menu items on the first and second display modules;

scrolling, by the mobile terminal, the operation screen displayed on the first and second display modules when at least one portion of the first display module is bent or folded;

displaying, by the mobile terminal, the operation control menu on the second display module according to the scrolling of the operation screen;

receiving, by the mobile terminal, a touch input to choose one of the plurality of menu items; and

performing, by the mobile terminal, an operation corresponding to the chosen menu item and applying a result of the performed operation to the operation screen,

wherein the first and second display modules are driven as a single display,

the method further comprising switching an operation mode of the mobile terminal if a predetermined portion

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of the first display module is bent or folded, the operation mode comprising a separate-operating mode and an integrated-operating mode.

17. The method of claim 16, wherein the step of scrolling the operating screen comprises:

scrolling the operating screen in response to a touch-and-drag input detected on the second display module.

18. The method of claim 16, further comprising:

scrolling the operating screen back to its original position when no user input is received within a predetermined amount of time after the step of scrolling is completed.

19. A mobile terminal, comprising:

a first display module configured to be flexible and to display an operating screen including an operation control menu having a plurality of menu items;

a second display module connected to the first display module and configured to receive a touch input and to display the operating screen;

a sensing unit operatively connected to the first display module and configured to determine whether at least one portion of the first display module is bent or folded; and

a controller operatively connected to the sensing unit and configured to

scroll the operation screen displayed on the first and second display modules, and

display the operation control menu on the second display module according to the scrolling of the operation screen when data provided by the sensing unit indicates that the at least one portion of the first display module is bent or folded,

wherein the controller is further configured to perform an operation corresponding to a touched one of the plurality of menu items and apply the performed operation to the operation screen,

wherein the first and second display modules are driven as a single display, and

wherein the controller is further configured to switch an operation mode of the mobile terminal if a predetermined portion of the first display module is bent or folded, the operation mode comprising a separate-operating mode and an integrated-operating mode.

20. The mobile terminal of claim 19, wherein the controller is configured to scroll the operating screen in response to a touch-and-drag input detected on the second display module.

21. The mobile terminal of claim 19, wherein the controller is configured to scroll the operating screen back to its original position when no user input is received within a predetermined amount of time after an initial scroll is ended.

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